

WA/MMM/UM/Sal/21/318/1

Rsc' 16 SEP 1920

Phone : Gerrard 1824.

Sale No. 13,200

Sale to commence at **12.30** o'clock.

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**FRIDAY, SEPTEMBER 17th, 1920.**

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A CATALOGUE OF  
**SCIENTIFIC APPARATUS**

INCLUDING

**ZEISS TELESCOPE,  $3\frac{1}{4}$ -O.G.**

**Bactereological and other Microscopes,**

By LEITZ, R. & J. BECK, and others ;

**SLIDES AND APPARATUS ;**

**Photographic Cameras and Lenses,**

by GOERZ, ZEISS, and other well-known makers ;

**PRISMATIC BINOCULARS ;**

**INDIAN 7-9-h.p. MOTOR CYCLE ;**

**Furniture ; Musical Instruments ; Plated Items ; Jewellery,  
and Miscellaneous Property.**

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**MR. J. C. STEVENS**

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WILL SELL BY AUCTION AT HIS ROOMS,

*No. 38, King Street, Covent Garden, W.C. 2,*

**On FRIDAY, SEPTEMBER 17th, 1920,**

At **12.30** o'clock.

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On view the day prior, from 12.30 till 5.30 o'clock, and Morning of Sale from 9.30 till 12, and Catalogues had of Mr. J. C. STEVENS, 38 King Street, Covent Garden, W.C. 2.

**Telegraphic Address : AUKS, RAND, LONDON.**

**Established 1760.**

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RIDDLE, SMITH & DUFFUS, Windsor House, Kingsway, W.C. 2, and Forest Hill, S.E. 23.



## CONDITIONS OF SALE.

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FIRST.—The highest bidder to be the buyer, and if any dispute arise between two or more bidders the lot so disputed shall be immediately put up again and re-sold. The auctioneer reserves to himself the right to refuse any bid, also to make any alteration in the catalogue.

SECOND.—No person to advance less than one shilling ; above £2 two shillings and sixpence, and so on in proportion.

THIRD.—The purchasers are to give in their names and places of abode, and, if required, to pay down a deposit of five shillings in the pound in part payment of the purchase-money, in default of which the lot or lots so purchased to be put up again and re-sold at any convenient opportunity during the sale or otherwise.

FOURTH.—The lots are to be taken away and paid for, with all faults and errors of description, at the buyer's expense and risk, on the day immediately following sale. The auctioneer not being responsible for the correct description, genuineness or authenticity of, or any fault or defect in any lot, and making no warranty whatever.

LASTLY.—Upon failure of complying with the above conditions, the money deposited in part payment shall be forfeited to the vendors, the lots remaining uncleared shall be re-sold by public or private sale, and the deficiency (if any) attending such re-sale, together with all incidental expenses and charges, shall be made good by the defaulters at this sale.

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\* \* *Pictures offered for sale are attributed to the artists named, but no guarantee as to their genuineness is given or implied.*

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### NO LOTS WILL BE TRANSFERRED.

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The Clerk of the Sale has authority to refuse Cheques.

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**A CHARGE FOR WAREHOUSING WILL BE MADE ON  
LOTS NOT CLEARED PROMPTLY.**

Telephone :—  
GERRARD, 1824.

Telegrams :—  
AUKS, RAND



# A CATALOGUE

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**Friday, September 17th, 1920.**

**AT 12.30 O'CLOCK.**

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## **ON VIEW :**

**Thursday, 12.30 to 5.30 p.m.**

**Friday, 9.30 a.m. to 12 noon.**

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## **MISCELLANIES.**

### **LOT**

- 1 Nine useful solid leather cases, various shapes and sizes
- 2 An expensive electrical massage machine in case, leather case containing 3 flasks, and sundry items
- 3 A Leslie safety razor and strop in case, and a Holt's De-Luxe safety razor and blades in case
- 4 A "Seven o'clock" safety razor in case, "Ever-Ready" ditto, and 2 patent safety razor blade strops
- 5 A small telescope and a periscope
- 6 A protractor by Negretti and Zambra, 2 clinometers, and 2 prismatic compasses
- 7 A pocket sextant in case, 2 prismatic compasses, and a clinometer
- 8 Three clinometers in sling cases, a prismatic compass and clinometer in case, and another prismatic compass



- 9 A solid leather travelling trunk
- 10 A Greenheart fly fishing rod by Jeffery's, with 2 tops and a few flies and gut
- 11 A fishing rod with 3 tops by Army & Navy Stores, 3 short bamboo rods in case, and a bamboo stand for a small telescope
- 12 Hoody's collapsible gaff hook, bait basket, 2 reels with lines, quantity of hooks and gut, and 2 gaff hooks
- 13 Sandow's developer, pair of dumb-bells, and a small medical electric machine
- 14 Pair of ball-bearing roller skates
- 15 Six pairs of good quality plated ice skates, and a pair of wood ditto
- 16 A red leather dressing-bag with outer mackintosh cover
- 17 A leather dispatch case, ditto dressing case (no fittings), 2 other leather cases, and a camera case
- 18 Fifteen leather and other cases for field glasses
- 19 A large number of leather cases for field glasses, prismatic compasses, etc.
- 20 Three Kodak developing tanks (incomplete), a folding tripod dark-room lamp (A.F.), 6 printing frames, and a cavalry sketching board
- 21 An old trunk containing a quantity of photographic chemicals, accessories, and books
- 22 A gentleman's cashmere suit, 2 pairs trousers, and an extra pair trousers
- 23 An overcheck costume, new pleated skirt, and three-quarter coat (well tailored), a felt hat, 2 woollen coatees, a black petticoat, a squirrel fur hat, a seal coney collar, and a seal coney stole
- 24 A gentleman's raincoat, and a pair of lady's new shoes
- 25 A pair of trench boots, 2 pairs brown shoes, pair running shoes, and 3 pairs of cricket trousers



- 26 Pair of floral pattern bedspreads, good quality,
- 27 A unique Bristol glass milk jug inlaid with George coin, over 100 years old
- 28 A leather dressing-case, partly fitted
- 29 An aquarium
- 30 A brown leather portmanteau
- 31 Six white muslin curtains, and 8 white lace ditto
- 32 Corkscrew, electro egg stand, 3 electro trays and cover, nutmeg grater, carving fork, and an egg-tester
- 33 Twelve Japanese d'oyleys, khaki haversack, service cap, pique cap, white cover for cap, whistle cord, and a great coat
- 34 Various books (military, medical, religious) medical journals, protractor, collars, and miscellaneous articles
- 35 One hundred and thirty-five prints and engravings, toy books (Berwick), album of prints, life of Jane Shore, collection of old fashion plates, and 10 volumes, various
- 36 A framed etching, panel 8in. by 6in. (figure), 6 oil paintings, painting on rice paper, and a framed engraving
- 37 A music cabinet
- 38 An antique sideboard
- 39 A desk
- 40 A pair of bronzes
- 41 Two inlaid brackets, hat rack, and mounted antelope horns
- 42 Four Wedgwood jugs and 2 others, a bronze elephant, upright lamp, 2 antique beaded brackets, and a Japanese teapot and vase
- 43 A copper urn and bronze vase
- 44 An antique jewel case, mahogany canister, 2 old ale mugs, and a pedestal, bronze
- 45 A pair of field glasses
- 46 Three framed miniatures, unframed ditto, 2 bead bags (Indian), engraved shell, 3 pieces of bead work, and a Japanese fan



- 47 An ivory fan, old writing set and ink stand, crib board (ivory), 7 ivory figures, 15 pieces of ivory, and an onyx cross
- 48 An enamelled paper knife, box odd stones, 20 paintings on talc, 11 paintings on rice paper, 4 medallions, and an enamel miniature ( framed)
- 49 Jewel cup and saucer, 2 old pipes, and an ivory (model of cow)
- 50 A hallstand (mahogany), with marble top
- 51 A mirror (mosaic framed)
- 52 Marble bust on turned marble base
- 53 Black anthracite stove
- 54 An expensive electric cooker, oven, grill, and toaster, 3 hot plates with panels, switches, fuses, pilot lamps and parts, green and white enamelled sides, and white enamelled inside, fitted racks, etc.
- 55 An electric radiator
- 56 Ditto heater, and 3-light brass electrolier
- 57 Eight carpenter's planes and 50 tools, various, in box
- 58 Painted chest of 5 drawers with white china handles
- 59 An officer's tunic, sheep skin mat, part fur waistcoat, and 2 belts
- 60 Large oak pannelling with inlaid scenery at top
- 61 A gentleman's fawn raincoat and mackintosh jerkin
- 62 Gallery oil painting figure in massive carved gilt frame
- 63 Two oil paintings (unframed), by Clifford, and book of water colours by Ramsey
- 64 Tortoise-shell pocket book
- 65 Pair of ditto lady's hair pins, set stones
- 66 China plaque in gilt frame
- 67 Antique seal, plated spirit lamp and mug, and 2 plated candelabra tops
- 68 A Persian rug
- 69 Tricycle engine, frame, wheels, etc.
- 70 A motor-cycle
- 71 An oak cabinet in 2 sections with many pigeon holes, drawers, etc.



- 72 *Indian 7-9 H.P. motor-cycle and Milford side-car, 1915 pattern, electric lighting, as new*

### FURNITURE, &c.

- 73 A 6-ft. 9-in. beech frame couch on stained legs
- 74 A 3-ft. wire spring mattress on pine frame
- 75 A 3-ft. box ottoman, covered in woolwork, and a loose cover
- 76 A 4-ft. oval ended extending mahogany dining table on fluted legs, and extra leaf
- 77 Antique mahogany chest with spring lock and interior fittings, 51in. by 26in. by 25in.
- 78 A 11-in. pewter breakfast dish with cover, model of horse in plaster, and 5 glass decanters
- 79 A frosted glass water bottle, bottle in wooden case for travelling, and a pair of white china goblets
- 80 Two portfolios, one containing sundries
- 81 Pastry board, serge washstand back, cannister, 2 dish covers, straw chair screen, card-box containing curtain rings, etc., fish kettle strainer, and 2 saucepan lids
- 82 Three picture frames, a man's inhaler, toilet ware, 3 pieces, 2 small framed pictures (Eton College), leather dog muzzle, and a leather box with oddments
- 83 Fancy box with pieces, bonnet stand, vegetable dish cover, flour dredger, sundry books, and a gasogene
- 84 A red leather case containing antique trinkets, red Japanese box and chintz covered box, toaster, 2 pieces antique toilet ware, brown vase, raised figures, antique black teapot, lion lid, and a blue jug, antique

- 85      Antique bronze inkstand, 2 bottles complete, with candlestick, ink bottle, 2 small vases, box with key, cedar wood, containing 2 crucifixes, black antique vase with "face," and a brass goffering iron
- 86      One hundred and twelve unbound numbers Times' "History of War," flat basket, 3 curious keys, collection of pebbles and fossils, box containing antique trinkets and beads, roll of old maps, lined canvas, 2 bundles wall paper, and a bird cage
- 87      A Small framed unglazed picture, drawing of a head in gilt frame, oil sketch in wood frame, large frame (glazed), empty, large cocoa mat, large oval earthenware pan with cover, meat safe with 3 moveable shelves, gout stool, and 2 parcels of books, papers, etc., various
- 88      Chaise languir
- 89      Basket table
- 90      A quantity of old English books, various
- 91      A polished oak roll top stationery cabinet with key
- 92      Victorian dressing table
- 93      Sheraton Pembroke table
- 94      Five odd chairs
- 95      Ebonized chair
- 96      Victorian gilt wall mirror

### **MUSICAL INSTRUMENTS, &c.**

- 97      Walnut duet carved music stand
- 98      Victorian couch
- 99      Rudall Carte Boehm flute, silver keys, in case
- 100     Besson alto clarionet in leather case
- 101     Hawke's clarionet
- 102     Fine old Spanish guitar in case
- 103     A 5-string zither banjo
- 104     Boosey Class A cornet, in case
- 105     Clavier in oak case
- 106     French horn and crooks
- 107     A 5-string banjo



- 108 Large concert zither on portable stand
- 109 Boehm flute in case
- 110 Bassoon by Savory
- 111 Fine concert banjo machine head, large  
nickel hoop in case
- 112 Italian mandoline
- 113 Box camera, and a barometer (A.F.)
- 114 Folding camera, 5 by 4
- 115 Nineteen 10-in. records, Zonophone and  
others
- 116 Twenty 12-in. Columbia and other ditto
- 117 Sedan china cabinet and a 17th century  
jardinière
- 118 An old violin and bow in case

### **PLATED ITEMS, JEWELLERY, &c.**

- 119 Silver plated kettle, lamp, and stand
- 120 Pair of old Sheffield dishes
- 121 Silver plated coffee-pot, stand and lamp,  
teapot, sugar basin and milk jug
- 122 Antique hookah (A.F.), cut glass decanter  
and 3 cut glass dishes
- 123 Silver plated hot water vegetable dish and  
soufflé dish
- 124 Twelve silver plated articles
- 125 Two silver plated bottle stands, waiter  
and 3 pieces of plate
- 126 Old Sheffield dish cover and 2 ditto dishes
- 127 Four silver plated bedroom candlesticks
- 128 Ivory handled cheese scoop and 12 plated  
and other articles
- 129 Three bedroom candlesticks
- 130 Antique lacquered workbox and knife case
- 131 Pair of old Sheffield bedroom candlesticks,  
and 3-bottle sauce cruet
- 132 Two old Sheffield 3-light candelabra
- 133 Eight pieces of old Sheffield plate
- 134 Ivory sword, 3 scent bottles, silver  
mounted and an antique comb (A.F.)
- 135 Box of various jewellery, stones, etc., 35  
pieces
- 136 Three dish covers
- 137 Plated tea and coffee set, 4 pieces, and  
a plated fish slice



- 138 A set of plated spoons and forks, 17 pieces
- 139 A silver keyless watch, Kendal & Dent,  
a metal ditto and a chain
- 140 A fine gold binnacle compass, set with  
bloodstone, seal
- 141 A gold necklet and pendant
- 142 A gold mounted stone cameo scarf pin,  
and an onyx and pearl ditto
- 143 A silver fork, 1794, feather-edge sugar  
tongs, 1799, and 2 butter knives, 1838,  
ivory handles
- 144 A large selection of copper coins of ancient  
India, some rare
- 145 A silver keyless watch and a silver curb  
Albert
- 146 Mark V. aircraft watch, highest grade  
detached lever, 15-jewel movement,  
Breguèt spring, non-magnetic compen-  
sated balance, 3 positions synchronised,  
with dashboard holder or for pocket,  
guaranteed perfect
- 147 Ditto
- 148 Luminous ditto
- 149 An 8-day ditto
- 150 Lady's gold expanding watch bracelet
- 151 Heavy bronze figure—Reclining female
- 152 Pair of heavy bronze and marble cande-  
labra, 4 branches, Cupid supports, fitted  
for electric lights
- 153 Two majolica vases
- 154 A gold gem ring and a silver bracelet
- 155 Rare set of cut medallions

### SCIENTIFIC APPARATUS, &c.

- 156 Binocular microscope, rack coarse adjust-  
ment, graduated fine adjustment, rack  
adjustment for width of eyes, a pair of  
eyepieces by R. & J. Beck, and a 1-in.  
objective
- 157 Achromatic oil immersion substage con-  
denser N.A. 1.36, by R. & J. Beck
- 158 A revolving analyser for binocular micro-  
scope, and a 1-in. Lieberkuhn in case,  
both by Ross



- 159 A best quality  $1\frac{1}{2}$ -in. objective, and a No. 5 eyepiece, both by Nacet
- 160 A 1-in. microscope objective, and 3 other low powers
- 161 Two microscope powers in case, a D eyepiece and live box by Powell & Lealand, another live box, and a glass chemical stage
- 162 A writing diamond, and a diamond for cutting thin glass circles of different sizes
- 163 Polished mahogany microscope cabinet containing 12 dozen slides
- 164 Thirty-four fine rock and hard sections
- 165 Twenty-seven fine polariscope slides, 4 micro-photographs and 4 others
- 166 Thirty-six fine insects and parts, by Enoch, Topping, etc.
- 167 Four dozen finely injected anatomical slides, 50 other slides, and the cabinet to hold 20 dozen
- 168 A case containing 23 fine diatom slides, some grouped and arranged
- 169 Twelve fine micro-photographs in pocket case, including a £1000 note (rare)
- 170 Butterfly and flowers formed from insect scales, and a Lord's Prayer diamond writing by Webb, in case
- 171 Fine Lord's Prayer diamond writing signed by Webb and dated 1862, and a stage micrometer  $1/100$  and  $1/1000$
- 172 Two cases of ivory-handle mounting instruments, and a quantity of cover glasses, slips and other mounting material
- 173 Fitted microscope case, small microscope and other microscope fittings, cover glass, etc.
- 174 Two cases of microscopic stains with directions, a dark well, diaphragm and other microscope sundries
- 175 A pocket spectroscope with adjustable slit, by Baker
- 176 A powerful  $4\frac{1}{2}$ -in. diameter lens antique reading glass, mounted in solid silver



- 177 A transit eyepiece, a comet eyepiece and  
3 other astro eyepieces
- 178 About 400 lenses marked in diopters
- 179 Twelve fine quartz lenses and a number of  
prisms and lenses for light experiments
- 180 Four fine selenite designs for polariscope,  
2 large  $\frac{1}{4}$ -wave plates, and 4 axis cut  
crystals
- 181 A burr walnut graphoscope and stereoscope  
combined, with lens 5-in. in diameter, and  
a few slides
- 182 A box of 50 glass stereoscopic views
- 183 A burr walnut museum stereoscope, with  
adjustable achromatic lenses, containing  
a number of transparent slides
- 184 *Zeiss telescope,  $3\frac{1}{4}$  O.G., 3 eyepieces,  
magnifications 30, 67 and 134; sun  
glass, special prismatic arrangement of  
lenses for landscape and sea work, on  
revolving metal stand; in first class  
condition; in polished wood case*
- 185 *Bacteriological microscope by Leitz, 3  
objectives—3, 6, and  $\frac{1}{12}$  oil immersion,  
3 eyepieces—1, 3, and 4, swing out con-  
denser, triple nosepiece, etc., in polished  
case*
- 186 *Ditto, without condenser, 2 objectives and  
2 eyepieces*
- 187 Collection of 41 micro slides (Botanical),  
with book of description by F. Cavers,  
D.Sc., F.L.S.
- 188 *A  $\frac{1}{4}$ -plate Reflex camera with Zeiss-Tessar  
lens, F/4.5 also fitted with Busch telephoto  
len, yellow optical screen, a Distar lens,  
12 plate holders and film pack holder,  
complete in 2 leather cases*
- 189 *Zeiss Binocular, extra wide field, 2-in.  
aperture, 7x, in leather sling case*
- 190 An enlarger, 3 sizes
- 191 *Camera, 9 cm. by 12 cm., with extra  
rapid aplanat lens by Laack, Sohne &  
Rathenow, F/7.2, with extension front,  
6 plate-holders, film pack holder with  
adapter for  $\frac{1}{4}$ -plate, in leather case*



- 192 *Camera, 9 cm. by 12 cm., with Ica lens, F/11, 6 plate-holders, film pack holder with adapter for  $\frac{1}{4}$ -plate, in leather case*
- 193 *A  $\frac{1}{4}$ -plate film pack holder with three  $\frac{1}{4}$ -plate film packs, an adapter, four 6 cm. by 9 cm. films, and 6 film packs, 6 cm. by 9 cm.*
- 194 *Pocket stereo camera, complete outfit, including stereoscope, printing frame, 6 plate-holders, film pack holder, 2 packets of plates and 2 packets of films*
- 195 *Pocket Ica camera with 4 plate-holders, film pack holders, and 2 packets of plates*
- 196 *Pocket case of needle-point mathematical drawing instruments*
- 197 *A 3 Nernst filament Radax lamp, complete with filaments, resistances and spare resistances, and 2 blow lamps*
- 198 *Binocular microscope with interocular adjustment, mechanical stage, screw focusing swing-out substage with centering fitting, pair of eyepieces, 3 objectives, spot lens and mahogany case*
- 199 *42 slides for microscope, wood sections, etc.*
- 200 *28 ditto, leaves and flowers*
- 201 *28 ditto, seeds, fungi, etc.*
- 202 *28 ditto, diatomaceæ*
- 203 *14 ditto, foraminifera (including type slides)*
- 204 *28 ditto, insects, etc.*
- 205 *42 ditto, beetles, butterflies and spiders*
- 206 *28 ditto, hairs, feathers, etc.*
- 207 *14 ditto, rock sections*
- 208 *14 ditto, metals, etc.*
- 209 *20 ditto, general photos, and fine diamond writing*
- 210 *Polished mahogany velvet-lined cabinet of 20 drawers, glass door, lock and key, ivory knobs and labels*
- 211 *Microscope by Beck, 2 eyepieces in mahogany case, an objective*
- 212 *Field microscope, 2 eyepieces, R.M.S. nose-piece*



- 213 A  $\frac{1}{4}$ -in. objective by Collins with connection collar
- 214 Analyser and polariser, R.M.S. standard, both rotating, iris fitted for substage and camera lucida
- 215 Spring centering mounting turntable and stand condenser
- 216 Micro lamp with bull's-eye condenser, brass stand in pine case
- 217 Microscope lamp, no case
- 218 Pine cabinet, lock and key, glass door, 17 drawers
- 219 Pritchards infusorial animalcules with plates
- 220 Micrographic Dictionary with plates
- 221 Coles' Microscopic Science in 2 vols., with coloured plates
- 222 Journal of R.M. Society, 3 bound volumes, 1891, 1893, 1894
- 223 Quantity of books on Science and Microscopy
- 224 Microscopy by Dr. Spitta, new condition
- 225 A student's microscope by Crouch with 2 eyepieces,  $\frac{2}{3}$  and  $\frac{1}{6}$  objectives, in case
- 226 A fine case of optician's eye testing lenses by Pickard & Curry
- 227 Wray, 1-5th objective with correction collar
- 228 A  $\frac{1}{4}$ in. R. & J. Beck objective
- 229 Various low power objectives
- 230 Beck Star microscope, coarse and fine adjustments, 1-in. and  $\frac{1}{6}$ -in. objectives 2 oculars, mahogany case
- 231 Pilischer international student's microscope, 1-in. and  $\frac{1}{4}$ -in. objectives, 2 oculars, live box, etc., in mahogany case
- 232 Fine microscope by Ross, coarse and fine adjustments, mechanical stage, 1-in. and  $\frac{1}{4}$ -in. objectives, A and B oculars
- 233 Antique reflecting telescope by John Cuff, London, 2 eyepieces, table tripod, optically perfect, in oak case



- 234 Student's microscope by Tolles, rack  
coarse adjustment, wheel diaphragms,  
eyepiece, and objective
- 75/- 235 Antique microscope, no mirror, with  
power and eyepiece
- 4.10 236 Ditto by Bate
- 60/- 237 Antique microscope by Pritchard with  
eyepiece and objective
4. 238 Another microscope with eyepiece and  
objective
- 3.11. 239 Horizontal microscope with eyepiece  
and objective
4. 240 Aquarium microscope by Ross, with eye-  
piece fitting and side reflector
- 5.10. 241 Large opaque and transparent micro-  
scope by Carpenter, with eyepiece
4. 242 Microscope stand and another with  
eyepiece
- 75/- 243 Microscope by Carpenter & Westley, eye-  
piece fitting, mechanical lever stage
- 5/- 244 Another with eyepiece
- 4.10. 245 Microscope on tripod foot, mechanical  
stage, rack coarse adjustment, with eye-  
piece
- 2.10 246 Microscope fitted with eyepiece
5. 247 Microscope with photo micrographic  
camera
- 248 Astronomical telescope with 15 eyepieces  
in 2 mahogany boxes, and a stand for  
same
- 249 Pair of prismatic binoculars by Deroisine,  
6x in leather case
- 250 Pair of telescopic binoculars by Ross,  
12x, in leather sling case
- 251 Telefunken wireless rectifying valve, 2  
Twaddles hydrometers, and a Cartwright  
ditto
- 252 Zeiss prismatic binoculars, 8x, in leather  
sling case
- 253 A small 3-draw telescope with leather  
caps and sling, and another small 4-draw  
telescope
- 254 A 3-draw telescope by Porteau, Paris
- 255 A 4-draw telescope in leather sling case

Handwritten notes and markings on the right margin:

- 1. sold
- 2. sold 30/-
- 3. 15/-
- 4. 30/-
- 5. 30/-
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- 93. 30/-
- 94. 30/-
- 95. 30/-
- 96. 30/-
- 97. 30/-
- 98. 30/-
- 99. 30/-
- 100. 30/-



- 256 Three telescopes (A.F.)
- 257 A clinometer and 2 prismatic compasses in leather cases
- 258 A clinometer and a prismatic compass in leather sling case
- 259 Thompson's range estimator, Weldon's range finder, a prismatic compass, and a pocket aneroid barometer, all in cases
- 260 Two clinometers and 2 prismatic compasses in cases
- 261 Two "Orilux" electric lamps in leather cases
- 262 Three ditto and an electric torch
- 263 A set of mathematical instruments by Steward, in case
- 264 Two mahogany cases of drawing rulers, and an officer's sketching board
- 265 A large periscope and a range finding set (captured German), in cases
- 266 Eight pairs of wire nippers, Ghurka knife, hand weapon, part of patent razor set, folding knife, fork and spoon set in case, parts of periscopes, mirrors, goggles, and sundries
- 267 A 13-in condenser (unmounted)
- 268 A pitkin, white electrical pyrometer, reading to 3,000, complete, in mahogany case
- 270 Amputation instruments in mahogany case, and a quantity of other surgical instruments
- 271 Two stomach pumps in mahogany cases, and a case of amputation, surgical, and trephine instruments

### **PHOTOGRAPHIC APPARATUS, &c.**

- 272 A 3-in Thornton-Pickard before lens, roller blind shutter
- 273 Ross 6 by 5 rapid symmetrical lens in iris mount
- 274 Ross 6 by 5 rapid symmetrical lens in iris mount
- 275 A  $\frac{1}{4}$ -plate Klimax plate developing tank



- 276 An S.B. self-locking tripod
- 277 A 12 by 10 Optimus rapid rectilinear lens,  
in iris mount
- 278 Small microscope slide viewer
- 279 Ross 6x stereo prism binoculars in case,  
fine condition
- 280 A  $\frac{1}{2}$ -plate Marion field camera, Voigtlander  
lens, 3 book form slides, and tripod
- 281 Postcard roll film camera, fitted F/5.8,  
Ensign anastigmat lens in automat  
shutter, in fine condition
- 282 A No. 4 bull's-eye Kodak
- 283 A  $\frac{1}{4}$ -plate Ensign model A reflex camera,  
F/5.8 Ensign anastigmat lens, and 3  
block form slides, in first-class order
- 284 Anastigmat vest pocket Kodak
- 285 An F/6 anastigmat No. 1 Ensignette
- 286 A No. 1 folding pocket Kodak fine achro-  
mestic lens
- 287 Goerz tenax, Goerz 6.8 lens in compur  
shutter, to take  $\frac{1}{4}$ -plate and 9/12 plates,  
3 slides and film pack adapter
- 288 Small microscope and case
- 289 A 2 $\frac{1}{4}$  B. folding Ensign for 2 $\frac{1}{4}$  by 3 $\frac{1}{4}$  films
- 290 A 9/12 folding plate camera, fine pere-  
scope lens in sector shutter, with film  
pack adapter
- 291 A No. 3 folding Kodak, R.R. lens
- 292 A  $\frac{1}{4}$ -plate folding camera, Beck sym-  
metrical lens, 6 single slides, and focusing  
cloth
- 293 A No. 4 screen focus Kodak
- 294 A 7 by 5 Optimus symmetrical lens
- 295 Heydes actinometer
- 296 Two  $\frac{1}{2}$ -plate mahogany book form slides
- 297 A 2 $\frac{1}{4}$  square Icarette fine R.R. lens
- 298 Verascope, Richard self-timing cunctator
- 299 A  $\frac{1}{4}$ -plate folding camera, R.R. lens and  
slide
- 300 Double extension 9/12 folding plate camera,  
F/6.8 anastigmat lens, speeded shutter,  
film pack adapter and leather case
- 301 Goerz trieder prism binoculars, central  
focusing in leather case

- 302 A No. 3 folding Kodak in fine condition,  
with leather case
- 303 A No. 3 folding Kodak, fine R.R. lens,  
and leather case
- 304 Small field glass
- 305 A No. 2 Brownie
- 306 A toy microscope
- 307 A No. O Brownie
- 308 A No. O Brownie
- 309 A No. 1A folding Kodak and canvas case
- 310 A No. 4 bullet Kodak
- 311 Fine field glass
- 312 A  $\frac{1}{4}$ -plate folding plate camera, 5 slides  
and canvas case
- 313 Fine field glass and case
- 314 9/12 folding plate camera, fitted Zeiss  
F/6.3 tessar lens in speeded shutter, 5  
slides and leather case
- 315 Strong wooden tripod
- 316 Very fine  $\frac{1}{2}$ -plate camera by Meagher, 6  
book form slides 8.5 Ross, F/8 rapid  
symmetrical lens in iris mount, tripod  
and leather case
- 317 A  $\frac{1}{2}$ -plate tropical victo, 3 book-form  
slides, Aldis, F/6.8 anastigmat lens,  
R.R. lens, 3 book-form slides, tripod and  
canvas case
- 318 A whole-plate square bellows camera,  
fitted 9 by 7 Optimus euryscope lens, slide,  
leather case and tripod, a fine outfit
- 319 Watson 6x prism binoculars, and case
- 320 Very fine 12x prism binoculars and caes
- 321 A No. 4 folding Kodak, R.R. lens
- 322 A  $\frac{1}{4}$ -plate Ensign Klito, F/7.7 anastigmat  
lens, compound shutter, and 2 slides
- 323 Canadian snow shoes
- 324 Vest pocket Kodak
- 325 Very fine No. 4 cartridge Kodak, R.R.  
lens, in case
- 326 Excellent postcard double extension  
camera, F/8 lens, and 2 double slides
- 327 Very fine opera glasses
- 328 A  $2\frac{1}{4}$ -sq. Icarette, F/6.8 anastigmat lens



- 329 Very fine  $\frac{1}{2}$ -plate field outfit with R.R. and wide angle lenses, 2 book-form slides, tripod, and case
- 330 A  $\frac{5}{4}$  R.R. lens, Primo camera, 3 D.D. slides, and case
- 331 A  $\frac{1}{4}$ -plate Eclipse folding camera, 3 slides
- 332 A  $2\frac{1}{4}$ -sq. Icarette fine miniscus lens
- 333 Series III. Cooke lens with flange
- 334 Last model, No. 1A folding pocket Kodak, with R.R. lens
- 335 Focal plane hand or stand camera, and 6 book-form slides
- 336 Two hand cameras (A.F.)
- 337 High power telescope in case
- 338 Leather attaché case
- 339 Pair of tan leather leggings
- 340 Vest pocket Ernemann camera, with Zeiss-Tessar lens, film pack adapter and case
- 341 A 9 by 12 c.m. Stegeman focal plane camera, Goerz anastigmat, 3 double-plate holders, and case
- 342 A  $\frac{1}{2}$ -plate field camera, rectilinear lens and shutter, 2 dark slides and tripod
- 343 A  $4\frac{1}{2}$  by 6 c.m. Countess vest pocket camera, Isoplast lens, F/5.8, and 3 slides
- 344 A  $\frac{1}{2}$ -plate Wizard, extra long extension, rapid rectilinear lens, 6 slides and leather case
- 345 A  $\frac{1}{2}$ -plate Planex reflex, revolving back, slide, film pack adapter and case
- 346 A  $\frac{1}{4}$ -plate Goerz Anschutz, Goerz anastigmat, 3 slides and leather case
- 347 Three Kodak cameras
- 348 Griffin's daylight enlarging apparatus
- 349 Box of lenses by Dallmeyer, etc.
- 350 Box of tripods and sundries
- 351 Brass-bound boxform camera by Hinton, anastigmat lens and shutter, 3 slides and leather case
- 352 Stereoscopic boxform camera, 18 slides and case
- 353 A 10 by 10 field camera, with 1 slide and lens

- 354 A 10 by 8 square bellows camera by  
Husbands, 25-in. extension, and 4  
double slides
- 355 A  $\frac{1}{4}$ -plate Thornton-Pickard Ruby reflex.  
camera with Cooke Series II. lens,  $F/4.5$ ,  
and 6 double dark slides, in canvas case
- 356 Houghton's  $\frac{1}{4}$ -plate folding Klito camera,  
and focusing screen, T.B. & I. shutter,  
and 4 metal dark slides
- 357 A 9 by 12 cm. Ica focal plane camera,  
Maximar anastigmat lens, film-pack adap-  
ter, changing box, 6 slides, with wallet  
and leather case
- 358 Variscope camera in case, 47 by 107,  
Richards
- 359 Zeiss Planar lens, 4.5
- 360 A  $\frac{1}{6}$ -micro objective, Watson
- 361 Inspector's pressure gauge, 100lbs., in case,  
Bailey
- 362 Lathe slide rest for  $2\frac{1}{2}$ -in. centres
- 363 Engineer's and carpenter's boring braces  
and surface gauge
- 364 Lizars  $\frac{1}{4}$ -plate folding camera with Beck  
symmetrical lens in Bausch & Lomb  
shutter
- 365 Camera and tripod stand
- 366 Box camera,  $\frac{1}{4}$ -plate, 3 double dark slides,  
Taylor & Hobson R.R. patent shutter and  
lens, tripod stand, and set of plates
- 367 An oak studio stand
- 368 A 12 by 12 bellows camera, mahogany,  
1 single and 3 double dark slides, repeating  
back with double slide for cabinets, etc.,  
and 8 whole-plate and  $\frac{1}{2}$ -plate carriers, in  
3 parcels
- 369 A 15 by 12 Lancaster patent rectograph,  
iris diaphragm and isochromatic screen
- 370 A 10 by 8 ditto with Taylor, Taylor &  
Hobson's patent adapter
- 371 Mahogany stereoscopic camera by C. G.  
Collins, stereoscopic hand camera, folding  
wooden stand, tripod top, 4 mahogany  
double dark slides, Eastman roll-holder,  
7 extra clamps, 3 reels, instantaneous



- shutter with flap, mahogany front for single lens, 3 ditto for stereo lenses, pair 6-in. lenses by Swift, pair R.R. lenses, iris diaphragms, pair wide angles, pair Beck achromatic lenses for stereoscope with brass rackwork and front, and mahogany drop shutter
- 372 A  $\frac{1}{4}$ -plate Sinclair and Standard Una camera with 4-in. Cooke F/3.5 lens (No. 29475), autochrome filter in slip-on metal cell, and 5 $\frac{1}{4}$ -in. Goerlitz double F/6.8 lens (No. 17431), Ibso shutter, revolving back, 6 double slides, fittings for lantern-size plates, solid leather case, in fine condition
- 373 Vest pocket autographic Kodak, quite new, fitted with Ross homocentric lens, separate mount
- 374 Ernemann's focal plane camera, with R.R. lens, 3 D.D. slides, in canvas case
- 375 A 5 by 4 Sanderson camera fitted Goerz Dagor anastigmat lens, Series III., in shutter, 6 D.D. slides and focusing cloth, in leather case; also roller-blind shutter, changing box and a Goerz telephoto lens, in leather case; and a folding tripod in canvas case
- 376 Whole-plate mahogany camera by Hare, with Ross rapid symmetrical lens and stops, Lancaster wide angle lens, another Lancaster lens, Dallmeyer view finder, 12 Thornton-Pickard shutters, 3 D.D. slides, 2 extra lens panels, focusing cloth, folding tripod and top, in solid leather case
- 377 Premo camera with Bausch & Lomb R.R. lens, iris diaphragm (no slides)
- 378 A lantern condenser, and sheet in box, and a generator
- 379 Three  $\frac{1}{2}$ -plate printing frames, eight  $\frac{1}{4}$ -plate ditto, and a P.C. ditto, and 88 floral, (9 $\frac{1}{2}$  by 8), and (6 by 4) mounts
- 380 A hundred cabinet panels, - 106 brown circles (7 by 7), 108 white circles (4 $\frac{1}{4}$  by 4 $\frac{1}{4}$ ), 45 green midget ovals, and 146 silver-edged Christmas photo mounts

- 381 1330 plastic mounts, Christmas ( $3\frac{1}{4}$  by  $2\frac{1}{4}$ ),  
20 large circles, 156 Christmas stamp  
mounts, assorted, 35 green Christmas slip  
in mounts, and 78 white stereo mounts
- 382 Two hundred and twelve green Christmas  
folders ( $3\frac{1}{4}$  by  $2\frac{3}{8}$ ), and 214 assorted  
Christmas folders (5 different kinds)
- 383 Twelve large oval slip-in mounts with  
struts, 13 superior mounts (oval), and  
197 new brown folders (10 by 7)
- 384 Eighty-eight slip-in panels, and 88 C.D.V.  
ovals
- 385 About 800 circle mounts, 38 Midget circle  
Christmas mounts, 69 cabinet oval  
mounts, and 114 cabinet oval mounts
- 386 A hamper
- 387 Whole-plate field camera, 3 D.D. slides  
R.R. lens by Burr, wide-angle Dallmeyer ;  
complete in leather case and tripod
- 388 Whole-plate studio camera, 2 D.D. slides,  
a single ditto and carriers for  $\frac{1}{2}$ -plates
- 389 A  $\frac{1}{4}$ -plate conical field camera, 3 D.D.  
slides ; in case
- 390 A  $\frac{1}{2}$ -plate field camera, 3 D.D. slides, No. 1  
rectilinear lens (Dallmeyer) ; tripod,  
complete in case
- 391 A Ross 10 by 8 actinus doublet, 13098
- 392 A Ross 10 by 8 S.A. doublet, 17300
- 392A A large lens, by Lereboure (Paris)
- 393 Three gross whole-plate " Ennammo "  
Contrasty bromide paper, 5 dozen Wratten  
panchromatic whole-plates ; 2 dozen  
Imperial ordinary whole-plates, quite  
fresh
- 394 Twenty-four positive plates, 45/107 mm.  
and 4 boxes autochrome plates, 7/13 cm.,  
(no date)
- 395 A portrait lens and three  $\frac{1}{2}$ -plate metal  
slides and a  $\frac{1}{4}$ -plate dark slide
- 396 Eighteen warm tone stereo transparencies,  
45/107 mm., and 25 autochrome ditto
- 397 Nine grooved wood negative boxes



- 398 A 15-ft. salmon rod by Playfair, Aberdeen,  
a ditto reel and line, and a small reel and  
line
- 399 An arc lamp, 5 amps., by Sanger &  
Shepherd; oxygen cylinder, 20ft.; a  
regulator for ditto (Beard's); a pressure  
guage ditto; a key and a tinter and a  
suction jet
- 400 A developing tank,  $3\frac{1}{2}$  by  $2\frac{1}{2}$ , new; ditto  
for small films and pair skates, Monier  
Williams
- 401 A Houghton's magazine hand camera,  
fitted with Aldis anastigmat lens
- 402 An Edison's dictaphone on stand
- 403 A whole-plate changing box by Messrs.  
Adams, in polished mahogany, and a  
two-fold photographic background paint-  
ed on canvas and opening to 8ft. by 5ft.
- 404 Professional  $\frac{1}{2}$ -plate enlarging lantern,  
by Perken Son, & Rayment, extra large  
lighthouse, 12 by 10 bellows, extending  
to 17in., 8-in. compound condenser  
(easily removable for cleaning), very  
large focusing objective. The lantern  
body is adapted to use oxy-hydrogen  
as well as gas or electricity, negative  
carriers,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , and whole-plate
- 405 Very fine Rectilinear lens by Morley,  
covers 10 by 8, set of stops in leather case
- 406 Five 110-yard coils of electric bell-wire,  
new, 550 yards in all
- 407 A box containing 10 packets 5 by 4 plates  
(dozen in each); 6 packets  $\frac{1}{2}$ -plate ditto;  
2 packets stereoscopic plates; 14 packets  
flat films; a packet of whole-plates;  
12 packets Kodak bromide papers, box  
containing 30 cartons Burroughs, Wel-  
come chemicals, and a 15 grain tube  
gold chloride
- 408 Fourteen dozen electric fire preventors,  
Billings' electric fire, electric bar fire,  
electric grill, and 7 dozen electric lamps,  
all 200-220 volts

- 409 Sixteen plate backing trays, 32 printing frames, 17 porcelain dishes, and 8 xylonite ditto
- 410 Sixteen stereoscopes, 10 microscopic enlayers, a Smyth's enlarger, and a Klito reducer
- 411 Two Kodak film developing machines, 2 plate boxes, and a daylight developing box
- 412 Four squeegees, dark-room lamp, 2 drying racks, and a set of scales and weights in 3 boxes
- 413 Six washing tanks, 9 daylight developing tanks, and 7 light tight boxes
- 414 A  $\frac{1}{4}$ -plate camera in canvas carrying case
- 415 A 5 by 4 camera Rodenstock bistigmat lens
- 416 Telephoto camera with Houghton's film adaptor (no lens)
- 417 Six Reflex box cameras (no lens), and 3 box cameras (with lens)
- 418 Sanderson's envelope adaptor, a Houghton's ditto, 9 lantern D.D. dark slides, and 11 assorted ditto
- 419 Six  $\frac{1}{4}$ -plate metal slides, a focusing screen, and a pigskin tripod case
- 420 A 5 by 4 stand camera with tripod, 2 D.D. slides
- 421 Box containing quantity of Houghton's envelopes, metal slides, hand camera, and printing clips
- 422 Twenty-four plate washers
- 423 A lantern camera and a detective ditto
- 424 Midget focal plane camera, 4 metal dark slides, Voigtlander lens
- 425 Two Dallmeyer portrait lenses, paired for stereoscopic work
- 426 A  $\frac{1}{2}$ -plate Voigtlander Colinear series IV., W.A. convertible lens, iris mount, in leather case
- 427 Six Ross rapid symmetrical lenses in iris mount
- 428 A 9 by 7 R.R. lens, iris mount, in leather case



- 429 R.R. lens by London Stereoscopic Co.
- 430 A  $\frac{1}{2}$ -plate W.A. rectograph in iris mount,  
by Lancaster
- 431 A  $\frac{1}{2}$ -plate R.R. lens by Marion and a  
portrait ditto by Horne
- 432 A  $\frac{1}{2}$ -plate lens revolving stops by Lan-  
caster, and a  $\frac{1}{2}$ -plate ditto iris mount,  
ditto
- 433 Four lenses by Ross, Underwood, etc.
- 434 Six assorted lenses, a telephoto ditto and  
a negative ditto
- 435 Box containing 14 lenses, a Cooke's exten-  
sion lens, an Adams' pinhole ditto, and  
2 view finders
- 436 A bundle of tripods
- 437 Binocular camera with Zeiss anastigmat  
lenses in leather carrying case
- 438 Leather carrying case with photographic  
sundries
- 439 Box containing 12 B.A. dies and stock
- 440 Box containing electrical sundries; 100  
green cardboard shades, and 12 peris-  
copes
- 441 Box containing photographic chemicals
- 441A A 40-ft. hydrogen cylinder, complete with  
rope cover, gauge and regulator, practi-  
cally new
- 442A A 40-ft. oxygen cylinder, complete with  
rope cover, and fine adjustment valve
- 443A An acetylene floating generator (quite  
new), complete in stained wood case,  
supplies a 4 burner jet for 3 hours
- 444A Three new 4-burner acetylene jets, for  
projection work
- 445A A Thornton-Pickard dissolving-view slide  
carrier
- 446A A methylated-spirit incandescent projec-  
tion lamp (quite new), complete with all  
necessary accessories
- 447A An ampmeter (mounted on board), 0-30  
A.C. type; ampmeter (quite new), 0-50  
D.C. type; and voltmeter (quite new),  
0-110 D.C. type

- 448A Two miniature arc lamps, right-angle enclosed type, one on mechanical tray with vertical and rotary movement, other on ordinary tray
- 449A An acetylene dissolving apparatus, for use with two lanterns, and an oxy-hydrogen dissolving apparatus for ditto
- 450A A "Siemens" motor for A.C., excellent for a bioscope, or for other light work, in very good order
- 451A An assortment of odd lenses

### MISCELLANIES.

- 442 Jones' patent folding ladder, 'officer's folding camp bed-chair chair, table, washstand, and bath, in kit bag, all in, good order
- 443 Brown leather kit bag, containing collars, ties, shoes, etc.
- 444 Large theatrical travelling basket
- 445 Large strong box, containing various pieces officer's kit, etc.
- 446 Sleeping bag and valise, well padded, by Aquascutum, of Regent Street
- 447 Double-barrel gun in case
- 448 Double-barrel pinfire gun
- 449 Pair brown field boots
- 450 Ten gallons spirit varnish
- 451 Ditto, ditto
- 452 Two model boats, 2 Somali baskets, a wooden bowl (silver mounted), 3 fans, and 3 boxes butterflies
- 453 Six nickel safety razors in boxes, and 12 blades, Gillette pattern
- 454 Ditto
- 455 Ditto
- 456 Ditto
- 457 Ditto
- 458 Ditto
- 459 Four Fahrenheit thermometers in cases, by Casella & Co.
- 460 Two large mincing machines



- 461 Mathews' new universal constellation drill  
for sowing seeds, complete with hoe  
cultivator, rakes, plough, and marker  
attachment, as sold by Toogood's, new  
condition
- 462 Steam engine (upright model)
- 463 Meccano set, No. 3 set with accessory  
sets, making a No. 5 set
- 464 A Varsity home golfer
- 466 Parkinson's gas oven griller, new
- 467 Two stamp albums and stamps
- 468 Ditto
- 469 Collection in large black interleaved  
album, containing 1,846 stamps
- 470 History of England—3 vols.; Lardner's  
Museum of Science and Art—6 vols.;  
London Pictorially Illustrated—3 vols.,  
and box of books, various
- 471 British Industries, 11; various, 7—18
- 472 Twenty-four modern novels
- 473 Ditto

END OF SALE.

## SALE ANNOUNCEMENTS.

### TUESDAY, SEPTEMBER 21st :—

By order of the Executors of the late JOHN WHITWORTH, Esq.

Furniture; China; Pictures; Ethnographical Specimens ; Curios.

### WEDNESDAY, SEPTEMBER 22nd :—

At Bayfield, Mayford Road, Wandsworth Common, S.W.

The Contents of the Residence : Furniture and Effects.

### FRIDAY, SEPTEMBER 24th :—

Household Furniture, removed from Cobham and Acton for convenience of sale; Also Scientific and Photographic Apparatus, etc.

### TUESDAY, SEPTEMBER 28th :—

Curios ; China ; Ivories ; Weapons ; Ethnographical Specimens.

### FRIDAY, OCTOBER 1st :—

Scientific and Photographic Apparatus ; Miscellaneous Property.

### TUESDAY, OCTOBER 5th :—

By order of Her Grace the DUCHESS OF NORFOLK.  
Old Norfolk House, St. James' Sq., S.W.  
Furniture and other Effects.

### TUESDAY, OCTOBER 5th :—

The Collection of Brass and Copper Deities, formed by the late Professor J. NELSON FRASER, of the University of Bombay ; Also China, Curios, etc., from other sources.

### TUESDAY, OCTOBER 12th :—

British and Exotic Lepidoptera ; Cabinets.

### WEDNESDAY, OCTOBER 13th :—

A Valuable Library of Natural History Books.

### FRIDAY, OCTOBER 15th :—

The First Portion of the valuable Collection of Microscopes, formed by the late Sir FRANK CRISP, Bart.

507  
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Folio 54  
H.M.M. 181-120

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W 4-16-0  
Folio 42.

Phone : Gerrard 1824.

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17 Sept 20

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W.H.M.M. (M) Sal  
121/318/12

Sale No. 13,200

Sale to commence at **12.30** o'clock.

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**FRIDAY, SEPTEMBER 17th, 1920.**

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A CATALOGUE OF  
**SCIENTIFIC APPARATUS**

INCLUDING

**ZEISS TELESCOPE, 3 $\frac{1}{4}$ -O.G.**

**Bactereological and other Microscopes,**

By LEITZ, R. & J. BECK, and others ;

**SLIDES AND APPARATUS ;**

**Photographic Cameras and Lenses,**

by GOERZ, ZEISS, and other well-known makers ;

**PRISMATIC BINOCULARS ;**

**INDIAN 7-9-h.p. MOTOR CYCLE ;**

**Furniture ; Musical Instruments ; Plated Items ; Jewellery,  
and Miscellaneous Property.**

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**MR. J. C. STEVENS**

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WILL SELL BY AUCTION AT HIS ROOMS,

*No. 38, King Street, Covent Garden, W.C. 2,*

**On FRIDAY, SEPTEMBER 17th, 1920,**

At **12.30** o'clock.

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On view the day prior, from 12.30 till 5.30 o'clock, and Morning of Sale from 9.30 till 12, and Catalogues had of Mr. J. C. STEVENS, 38 King Street, Covent Garden, W.C. 2.

**Telegraphic Address : AUKS, RAND, LONDON.**

**Established 1760.**

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RIDDLE, SMITH & DUFFUS, Windsor House, Kingsway, W.C. 2, and Forest Hill, S.E. 23.

## CONDITIONS OF SALE.

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FIRST.—The highest bidder to be the buyer, and if any dispute arise between two or more bidders the lot so disputed shall be immediately put up again and re-sold. The auctioneer reserves to himself the right to refuse any bid, also to make any alteration in the catalogue.

SECOND.—No person to advance less than one shilling ; above £2 two shillings and sixpence, and so on in proportion.

THIRD.—The purchasers are to give in their names and places of abode, and, if required, to pay down a deposit of five shillings in the pound in part payment of the purchase-money, in default of which the lot or lots so purchased to be put up again and re-sold at any convenient opportunity during the sale or otherwise.

FOURTH.—The lots are to be taken away and paid for, with all faults and errors of description, at the buyer's expense and risk, on the day immediately following sale. The auctioneer not being responsible for the correct description, genuineness or authenticity of, or any fault or defect in any lot, and making no warranty whatever.

LASTLY.—Upon failure of complying with the above conditions, the money deposited in part payment shall be forfeited to the vendors, the lots remaining uncleared shall be re-sold by public or private sale, and the deficiency (if any) attending such re-sale, together with all incidental expenses and charges, shall be made good by the defaulters at this sale.

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\* \* \* *Pictures offered for sale are attributed to the artists named, but no guarantee as to their genuineness is given or implied.*

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### NO LOTS WILL BE TRANSFERRED.

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The Clerk of the Sale has authority to refuse Cheques.

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**A CHARGE FOR WAREHOUSING WILL BE MADE ON  
LOTS NOT CLEARED PROMPTLY.**

Telephone :—  
GERRARD, 1824.

Telegrams :—  
AUKS, RAND





BUYER

Date

AUCTIONEERS

Lot

Amount

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Friday, September 17th, 1920.

## ON VIEW:

**Thursday, 12.30 to 5.30 p.m.**

**Friday, 9.30 a.m. to 12 noon.**

## MISCELLANIES.

Lot	
✓ 1	Nine useful solid leather cases, various shapes and sizes
2	An expensive electrical massage machine in case, leather case containing 3 flasks, and sundry items
✓ 3	A Leslie safety razor and strop in case, and a Holt's De Luxe safety razor and blades in case
✓ 4	A "Seven o'clock" safety razor in case, "Ever-Ready" ditto, and 2 patent safety razor blade strops
✓ 5	A small telescope and a periscope
✓ 6	A protractor by Negretti and Zambra, 2 clinometers, and 2 prismatic compasses
✓ 7	A pocket sextant in case, 2 prismatic compasses, and a clinometer
✓ 8	Three clinometers in sling cases, a prismatic compass and clinometer in case, and another prismatic compass

- ✓ 9 A solid leather travelling trunk
- ✓ 10 A Greenheart fly fishing rod by Jeffery's, with 2 tops and a few flies and gut
- ✓ 11 A fishing rod with 3 tops by Army & Navy Stores, 3 short bamboo rods in case, and a bamboo stand for a small telescope
- ✓ 12 Hoody's collapsible gaff hook, bait basket, 2 reels with lines, quantity of hooks and gut, and 2 gaff hooks
- ✓ 13 Sandow's developer, pair of dumb-bells, and a small medical electric machine
- ✓ 14 Pair of ball-bearing roller skates
- ✓ 15 Six pairs of good quality plated ice skates, and a pair of wood ditto
- ✓ 16 A red leather dressing-bag with outer mackintosh cover
- ✓ 17 A leather dispatch case, ditto dressing case (no fittings), 2 other leather cases, and a camera case
- ✓ 18 Fifteen leather and other cases for field glasses
- ✓ 19 A large number of leather cases for field glasses, prismatic compasses, etc.
- ✓ 20 Three Kodak developing tanks (incomplete), a folding tripod dark-room lamp (A.F.), 6 printing frames, and a cavalry sketching board
- ✓ 21 An old trunk containing a quantity of photographic chemicals, accessories, and books
- ✓ 22 A gentleman's cashmere suit, 2 pairs trousers, and an extra pair trousers
- ✓ 23 An overcheck costume, new pleated skirt, and three-quarter coat (well tailored), a felt hat, 2 woollen coatees, a black petticoat, a squirrel fur hat, a seal coney collar, and a seal coney stole
- ✓ 24 A gentleman's raincoat, and a pair of lady's new shoes
- ✓ 25 A pair of trench boots, 2 pairs brown shoes, pair running shoes, and 3 pairs of cricket trousers



- ✓ 26 Pair of floral pattern bedspreads, good quality,
- ✓ 27 A unique Bristol glass milk jug inlaid with George coin, over 100 years old
- ✓ 28 A leather dressing-case, partly fitted
- ✓ 29 An aquarium
- ✓ 30 A brown leather portmanteau
- ✓ 31 Six white muslin curtains, and 8 white lace ditto
- 32 Corkscrew, electro egg stand, 3 electro trays and cover, nutmeg grater, carving fork, and an egg-tester
- ✓ 33 Twelve Japanese d'oyleys, khaki haversack, service cap, pique cap, white cover for cap, whistle cord, and a great coat
- ✓ 34 Various books (military, medical, religious) medical journals, protractor, collars, and miscellaneous articles
- 35 One hundred and thirty-five prints and engravings, toy books (Berwick), album of prints, life of Jane Shore, collection of old fashion plates, and 10 volumes, various
- ✓ 36 A framed etching, panel 8in. by 6in. (figure), 6 oil paintings, painting on rice paper, and a framed engraving
- ✓ 37 A music cabinet
- ✓ 38 An antique sideboard
- ✓ 39 A desk
- ✓ 40 A pair of bronzes
- ✓ 41 Two inlaid brackets, hat rack, and mounted antelope horns
- ✓ 42 Four Wedgwood jugs and 2 others, a bronze elephant, upright lamp, 2 antique beaded brackets, and a Japanese teapot and vase
- ✓ 43 A copper urn and bronze vase
- ✓ 44 An antique jewel case, mahogany canister, 2 old ale mugs, and a pedestal, bronze
- ✓ 45 A pair of field glasses
- 46 Three framed miniatures, unframed ditto, 2 bead bags (Indian), engraved shell, 3 pieces of bead work, and a Japanese fan

- ✓ 47 An ivory fan, old writing set and ink stand, crib board (ivory), 7 ivory figures, 15 pieces of ivory, and an onyx cross
- ✓ 48 An enamelled paper knife, box odd stones, 20 paintings on talc, 11 paintings on rice paper, 4 medallions, and an enamel miniature ( framed)
- 2-1-  
✓ 49 Jewel cup and saucer, 2 old pipes, and an ivory (model of cow)
- ✓ 50 A hallstand (mahogany), with marble top
- ✓ 51 A mirror (mosaic framed)
- ✓ 52 Marble bust on turned marble base
- ✓ 53 Black anthracite stove
- ✓ 54 An expensive electric cooker, oven, grill, and toaster, 3 hot plates with panels, switches, fuses, pilot lamps and parts, green and white enamelled sides, and white enamelled inside, fitted racks, etc.
- 55 An electric radiator
- ✓ 56 Ditto heater, and 3-light brass electrolier
- ✓ 57 Eight carpenter's planes and 50 tools, various, in box
- ✓ 58 Painted chest of 5 drawers with white china handles
- ✓ 59 An officer's tunic, sheep skin mat, part fur waistcoat, and 2 belts
- ✓ 60 Large oak pannelling with inlaid scenery at top
- ✓ 61 A gentleman's fawn raincoat and mackintosh jerkin
- ✓ 62 Gallery oil painting figure in massive carved gilt frame
- ✓ 63 Two oil paintings (unframed), by Clifford, and book of water colours by Ramsey
- ✓ 64 Tortoise-shell pocket book
- 65 Pair of ditto lady's hair pins, set stones
- ✓ 66 China plaque in gilt frame
- ✓ 67 Antique seal, plated spirit lamp and mug, and 2 plated candelabra tops
- ✓ 68 A Persian rug
- ✓ 69 Tricycle engine, frame, wheels, etc.
- ✓ 70 A motor-cycle
- ✓ 71 An oak cabinet in 2 sections with many pigeon holes, drawers, etc.

- ✓ 72 *Indian 7-9 H.P. motor-cycle and Milford side-car, 1915 pattern, electric lighting, as new*

### FURNITURE, &c.

- ✓ 73 A 6-ft. 9-in. beech frame couch on stained legs
- ✓ 74 A 3-ft. wire spring mattress on pine frame
- ✓ 75 A 3-ft. box ottoman, covered in woolwork, and a loose cover
- ✓ 76 A 4-ft. oval ended extending mahogany dining table on fluted legs, and extra leaf
- ✓ 77 Antique mahogany chest with spring lock and interior fittings, 51in. by 26in. by 25in.
- (49/-) 78 A 11-in. pewter breakfast dish with cover, model of horse in plaster, and 5 glass decanters
- ✓ 79 A frosted glass water bottle, bottle in wooden case for travelling, and a pair of white china goblets
- ✓ 80 Two portfolios, one containing sundries
- ✓ 81 Pastry board, serge washstand back, cannister, 2 dish covers, straw chair screen, card-box containing curtain rings, etc., fish kettle strainer, and 2 saucepan lids
- ✓ 82 Three picture frames, a man's inhaler, toilet ware, 3 pieces, 2 small framed pictures (Eton College), leather dog muzzle, and a leather box with oddments
- ✓ 83 Fancy box with pieces, bonnet stand, vegetable dish cover, flour dredger, sundry books, and a gasogene
- (85/-) 84 A red leather case containing antique trinkets, red Japanese box and chintz covered box, toaster, 2 pieces antique toilet ware, brown vase, raised figures, antique black teapot, lion lid, and a blue jug, antique



- ✓ 85 Antique bronze inkstand, 2 bottles complete, with candlestick, ink bottle, 2 small vases, box with key, cedar wood, containing 2 crucifixes, black antique vase with "face," and a brass goffering iron
- ✓ 86 One hundred and twelve unbound numbers Times' "History of War," flat basket, 3 curious keys, collection of pebbles and fossils, box containing antique trinkets and beads, roll of old maps, lined canvas, 2 bundles wall paper, and a bird cage
- (42/-) 857-871 A Small framed unglazed picture, drawing of a head in gilt frame, oil sketch in wood frame, large frame (glazed), empty, large cocoa mat, large oval earthenware pan with cover, meat safe with 3 moveable shelves, gout stool, and 2 parcels of books, papers, etc., various *Bed*
- ✓ 88 Chaise languir
- ✓ 89 Basket table
- ✓ 90 A quantity of old English books, various
- ✓ 91 A polished oak roll top stationery cabinet with key
- ✓ 92 Victorian dressing table
- ✓ 93 Sheraton Pembroke table
- ✓ 94 Five odd chairs
- 95 Ebonized chair
- ✓ 96 Victorian gilt wall mirror

### MUSICAL INSTRUMENTS, &c.

- ✓ 97 Walnut duet carved music stand
- ✓ 98 Victorian couch
- ✓ 99 Rudall Carte Boehm flute, silver keys, in case
- ✓ 100 Besson alto clarionet in leather case
- ✓ 101 Hawke's clarionet
- ✓ 102 Fine old Spanish guitar in case
- ✓ 103 A 5-string zither banjo
- ✓ 104 Boosey Class A cornet, in case
- ✓ 105 Clavier in oak case
- ✓ 106 French horn and crooks
- ✓ 107 A 5-string banjo

- ✓ 108 Large concert zither on portable stand
- ✓ 109 Boehm flute in case
- ✓ 110 Bassoon by Savory
- ✓ 111 Fine concert banjo machine head, large nickel hoop in case
- ✓ 112 Italian mandoline
- ✓ 113 Box camera, and a barometer (A.F.)
- ✓ 114 Folding camera, 5 by 4
- ✓ 115 Nineteen 10-in. records, Zonophone and others
- ✓ 116 Twenty 12-in. Columbia and other ditto
- ✓ 117 Sedan china cabinet and a 17th century jardinière
- ✓ 118 An old violin and bow in case

### PLATED ITEMS, JEWELLERY, &c.

- ✓ 119 Silver plated kettle, lamp, and stand
- ✓ 120 Pair of old Sheffield dishes
- ✓ 121 Silver plated coffee-pot, stand and lamp, teapot, sugar basin and milk jug
- 87/- 77-122 Antique hookah (A.F.), cut glass decanter and 3 cut glass dishes
- ✓ 123 Silver plated hot water vegetable dish and soufflé dish
- ✓ 124 Twelve silver plated articles
- ✓ 125 Two silver plated bottle stands, waiter and 3 pieces of plate
- ✓ 126 Old Sheffield dish cover and 2 ditto dishes
- ✓ 127 Four silver plated bedroom candlesticks
- ✓ 128 Ivory handled cheese scoop and 12 plated and other articles
- ✓ 129 Three bedroom candlesticks
- ✓ 130 Antique lacquered workbox and knife case
- ✓ 131 Pair of old Sheffield bedroom candlesticks, and 3-bottle sauce cruet
- 40/- 132 Two old Sheffield 3-light candelabra
- 75/- 133 Eight pieces of old Sheffield plate
- ✓ 134 Ivory sword, 3 scent bottles, silver mounted and an antique comb (A.F.)
- ✓ 135 Box of various jewellery, stones, etc., 35 pieces
- ✓ 136 Three dish covers
- ✓ 137 Plated tea and coffee set, 4 pieces, and a plated fish slice

- ✓ 138 A set of plated spoons and forks, 17 pieces
- ✓ 139 A silver keyless watch, Kendal & Dent,  
a metal ditto and a chain
- ✓ 140 A fine gold binnacle compass, set with  
bloodstone, seal
- 141 A gold necklet and pendant
- 142 A gold mounted stone cameo scarf pin,  
and an onyx and pearl ditto
- 143 A silver fork, 1794, feather-edge sugar  
tongs, 1799, and 2 butter knives, 1838,  
ivory handles
- 144 A large selection of copper coins of ancient  
India, some rare
- 145 A silver keyless watch and a silver curb  
Albert
- 146 Mark V. aircraft watch, highest grade  
detached lever, 15-jewel movement,  
Breguèt spring, non-magnetic compen-  
sated balance, 3 positions synchronised,  
with dashboard holder or for pocket,  
guaranteed perfect
- 147 Ditto
- 148 Luminous ditto
- 149 An 8-day ditto
- 150 Lady's gold expanding watch bracelet
- 151 Heavy bronze figure—Reclining female
- 152 Pair of heavy bronze and marble cande-  
labra, 4 branches, Cupid supports, fitted  
for electric lights
- 153 Two majolica vases
- 154 A gold gem ring and a silver bracelet
- 155 Rare set of cut medallions

### SCIENTIFIC APPARATUS, &c.

- 156 Binocular microscope, rack coarse adjust-  
ment, graduated fine adjustment, rack  
adjustment for width of eyes, a pair of  
eyepieces by R. & J. Beck, and a 1-in.  
objective
- 157 Achromatic oil immersion substage con-  
denser N.A. 1.36, by R. & J. Beck
- 158 A revolving analyser for binocular micro-  
scope, and a 1-in. Lieberkuhn in case,  
both by Ross



- ✓ 159 A best quality  $1\frac{1}{2}$ -in. objective, and a No. 5 eyepiece, both by Nacet
- ✓ 160 A 1-in. microscope objective, and 3 other low powers
- ✓ 161 Two microscope powers in case, a D eyepiece and live box by Powell & Lealand, another live box, and a glass chemical stage
- ✓ 162 A writing diamond, and a diamond for cutting thin glass circles of different sizes
- ✓ 163 Polished mahogany microscope cabinet containing 12 dozen slides
- ✓ 164 Thirty-four fine rock and hard sections
- ✓ 165 Twenty-seven fine polariscope slides, 4 micro-photographs and 4 others
- ✓ 166 Thirty-six fine insects and parts, by Enoch, Topping, etc.
- ✓ 167 Four dozen finely injected anatomical slides, 50 other slides, and the cabinet to hold 20 dozen
- ✓ 168 A case containing 23 fine diatom slides, some grouped and arranged
- ✓ 169 Twelve fine micro-photographs in pocket case, including a £1000 note (rare)
- ✓ 170 Butterfly and flowers formed from insect scales, and a Lord's Prayer diamond writing by Webb, in case
- 171 Fine Lord's Prayer diamond writing signed by Webb and dated 1862, and a stage micrometer  $1/100$  and  $1/1000$
- ✓ 172 Two cases of ivory-handle mounting instruments, and a quantity of cover glasses, slips and other mounting material
- ✓ 173 Fitted microscope case, small microscope and other microscope fittings, cover glass, etc.
- (174) 37-174 Two cases of microscopic stains with directions, a dark well, diaphragm and other microscope sundries
- ✓ 175 A pocket spectroscope, with adjustable slit, by Baker
- ✓ 176 A powerful  $4\frac{1}{2}$ -in. diameter lens antique reading glass, mounted in solid silver

- 177 A transit eyepiece, a comet eyepiece and 3 other astro eyepieces
- 178 About 400 lenses marked in diopters
- 179 Twelve fine quartz lenses and a number of prisms and lenses for light experiments
- 180 Four fine selenite designs for polariscope, 2 large  $\frac{1}{4}$ -wave plates, and 4 axis cut crystals
- 181 A burr walnut graphoscope and stereoscope combined, with lens 5-in. in diameter, and a few slides
- 182 A box of 50 glass stereoscopic views
- 183 A burr walnut museum stereoscope, with adjustable achromatic lenses, containing a number of transparent slides
- ✓ 184 *Zeiss telescope,  $3\frac{1}{4}$  O.G., 3 eyepieces, magnifications 30, 67 and 134; sun glass, special prismatic arrangement of lenses for landscape and sea work, on revolving metal stand; in first class condition; in polished wood case*
- 185 *Bacteriological microscope by Leitz, 3 objectives—3, 6, and  $\frac{1}{12}$  oil immersion, 3 eyepieces—1, 3, and 4, swing out condenser, triple nosepiece, etc., in polished case*
- 186 *Ditto, without condenser, 2 objectives and 2 eyepieces*
- 187 Collection of 41 micro slides (Botanical), with book of description by F. Cavers, D.Sc., F.L.S.
- ✓ 188 *A  $\frac{1}{4}$ -plate Reflex camera with Zeiss-Tessar lens, F/4.5 also fitted with Busch telephoto lens, yellow optical screen, a Distar lens, 12 plate holders and film pack holder, complete in 2 leather cases*
- ✓ 189 *Zeiss Binocular, extra wide field, 2-in. aperture, 7x, in leather sling case*
- 190 An enlarger, 3 sizes
- ✓ 191 *Camera, 9 cm. by 12 cm., with extra rapid aplanat lens by Laack, Sohne & Rathenow, F/7.2, with extension front, 6 plate-holders, film pack holder with adapter for  $\frac{1}{4}$ -plate, in leather case*

- ✓ 192 Camera, 9 cm. by 12 cm., with Ica lens, F/11, 6 plate-holders, film pack holder with adapter for  $\frac{1}{4}$ -plate, in leather case
- ✓ 193 A  $\frac{1}{4}$ -plate film pack holder with three  $\frac{1}{4}$ -plate film packs, an adapter, four 6 cm. by 9 cm. films, and 6 film packs, 6 cm. by 9 cm.
- 194 Pocket stereo camera, complete outfit, including stereoscope, printing frame, 6 plate-holders, film pack holder, 2 packets of plates and 2 packets of films
- ✓ 195 Pocket Ica camera with 4 plate-holders, film pack holders, and 2 packets of plates
- ✓ 196 Pocket case of needle-point mathematical drawing instruments
- ✓ 197 A 3 Nernst filament Radax lamp, complete with filaments, resistances and spare resistances, and 2 blow lamps
- ✓ 198 Binocular microscope with interocular adjustment, mechanical stage, screw focusing swing-out substage with centering fitting, pair of eyepieces, 3 objectives, spot lens and mahogany case
- ✓ 199 42 slides for microscope, wood sections, etc.
- 200 28 ditto, leaves and flowers
- 201 28 ditto, seeds, fungi, etc.
- 202 28 ditto, diatomaceæ
- ✓ 203 14 ditto, foraminifera (including type slides)
- ✓ 204 28 ditto, insects, etc.
- ✓ 205 42 ditto, beetles, butterflies and spiders
- ✓ 206 28 ditto, hairs, feathers, etc.
- ✓ 207 14 ditto, rock sections
- ✓ 208 14 ditto, metals, etc.
- ✓ 209 20 ditto, general photos, and fine diamond writing
- ✓ 210 Polished mahogany velvet-lined cabinet of 20 drawers, glass door, lock and key, ivory knobs and labels
- 60/- 211 Microscope by Beck, 2 eyepieces in mahogany case, an objective
- ✓ 212 Field microscope, 2 eyepieces, R.M.S. nose-piece



- ✓ 213 A  $\frac{1}{4}$ -in. objective by Collins with connection collar
- ✓ 214 Analyser and polariser, R.M.S. standard, both rotating, iris fitted for substage and camera lucida
- ✓ 215 Spring centering mounting turntable and stand condenser
- ✓ 216 Micro lamp with bull's-eye condenser, brass stand in pine case
- ✓ 217 Microscope lamp, no case
- ✓ 218 Pine cabinet, lock and key, glass door, 17 drawers
- ✓ 219 Pritchards infusorial animalcules with plates
- (121) 157-220] Micrographic Dictionary with plates
- ✓ 221 Coles' Microscopic Science in 2 vols., with coloured plates
- ✓ 222 Journal of R.M. Society, 3 bound volumes, 1891, 1893, 1894
- (221) 357-223] Quantity of books on Science and Microscopy
- 224 Microscopy by Dr. Spitta, new condition
- ✓ 225 A student's microscope by Crouch with 2 eyepieces,  $\frac{2}{3}$  and  $\frac{1}{6}$  objectives, in case
- ✓ 226 A fine case of optician's eye testing lenses by Pickard & Curry
- ✓ 227 Wray, 1-5th objective with correction collar
- ✓ 228 A  $\frac{1}{4}$ in. R. & J. Beck objective
- ✓ 229 Various low power objectives
- 230 Beck Star microscope, coarse and fine adjustments, 1-in. and  $\frac{1}{6}$ -in. objectives 2 oculars, mahogany case
- ✓ 231 Pilischer international student's microscope, 1-in. and  $\frac{1}{4}$ -in. objectives, 2 oculars, live box, etc., in mahogany case
- 357-232] Fine microscope by Ross, coarse and fine adjustments, mechanical stage, 1-in. and  $\frac{1}{4}$ -in. objectives, A and B oculars £6. 10s
- (81) 6. 233] Antique reflecting telescope by John Cuff, London, 2 eyepieces, table tripod, optically perfect, in oak case

234

Student's microscope by Tolles, rack coarse adjustment, wheel diaphragms, eyepiece, and objective

235

Antique microscope, no mirror, with power and eyepiece

236

Ditto by Bate

237

Antique microscope by Pritchard with eyepiece and objective

238

Another microscope with eyepiece and objective

239

Horizontal microscope with eyepiece and objective

240

Aquarium microscope by Ross, with eyepiece fitting and side reflector

241

Large opaque and transparent microscope by Carpenter, with eyepiece

242

Microscope stand and another with eyepiece

243

Microscope by Carpenter & Westley, eyepiece fitting, mechanical lever stage

244

Another with eyepiece

245

Microscope on tripod foot, mechanical stage, rack coarse adjustment, with eyepiece

246

Microscope fitted with eyepiece

247

Microscope with photo micrographic camera

248

Astronomical telescope with 15 eyepieces in 2 mahogany boxes, and a stand for same

249

Pair of prismatic binoculars by Deroisine, 6x in leather case

250

Pair of telescopic binoculars by Ross, 12x, in leather sling case

251

Telefunken wireless rectifying valve, 2 Twaddles hydrometers, and a Cartwright ditto

252

Zeiss prismatic binoculars, 8x, in leather sling case

253

A small 3-draw telescope with leather caps and sling, and another small 4-draw telescope

254

A 3-draw telescope by Porteau, Paris

255

A 4-draw telescope in leather sling case

65/- Macpherson

75/- G. S. S.

- ✓ 256 Three telescopes (A.F.)  
 ✓ 257 A clinometer and 2 prismatic compasses in leather cases  
 ✓ 258 A clinometer and a prismatic compass in leather sling case  
 (45/-) 40/-259 Thompson's range estimator, Weldon's range finder, a prismatic compass, and a pocket aneroid barometer, all in cases  
 (45/-) 30/-260 Two clinometers and 2 prismatic compasses in cases  
 ✓ 261 Two "Orilux" electric lamps in leather cases  
 ✓ 262 Three ditto and an electric torch  
 ✓ 263 A set of mathematical instruments by Steward, in case  
 (16/-) 40/-264 Two mahogany cases of drawing rulers, and an officer's sketching board  
 265 A large periscope and a range finding set (captured German), in cases  
 ✓ 266 Eight pairs of wire nippers, Ghurka knife, hand weapon, part of patent razor set, folding knife, fork and spoon set in case, parts of periscopes, mirrors, goggles, and sundries  
 (40/-) 60/-267 A 13-in condenser (unmounted)  
 ✓ 268 A pitkin, white electrical pyrometer, reading to 3,000, complete, in mahogany case  
 ✓ 270 Amputation instruments in mahogany case, and a quantity of other surgical instruments  
 (50/-) 40/-271 Two stomach pumps in mahogany cases, and a case of amputation, surgical, and trephine instruments

### PHOTOGRAPHIC APPARATUS, &c.

- 272 A 3-in Thornton-Pickard before lens, roller blind shutter  
 273 Ross 6 by 5 rapid symmetrical lens in iris mount  
 274 Ross 6 by 5 rapid symmetrical lens in iris mount  
 275 A  $\frac{1}{4}$ -plate Klimax plate developing tank



- 276 An S.B. self-locking tripod
- 277 A 12 by 10 Optimus rapid rectilinear lens,  
in iris mount
- ✓ 278 Small microscope slide viewer
- ✓ 279 Ross 6x stereo prism binoculars in case,  
fine condition
- ✓ 280 A  $\frac{1}{2}$ -plate Marion field camera, Voigtlander  
lens, 3 book form slides, and tripod
- ✓ 281 Postcard roll film camera, fitted F/5.8,  
Ensign anastigmat lens in automat  
shutter, in fine condition
- ✓ 282 A No. 4 bull's-eye Kodak
- ✓ 283 A  $\frac{1}{4}$ -plate Ensign model A reflex camera,  
F/5.8 Ensign anastigmat lens, and 3  
block form slides, in first-class order
- ✓ 284 Anastigmat vest pocket Kodak
- ✓ 285 An F/6 anastigmat No. 1 Ensignette
- ✓ 286 A No. 1 folding pocket Kodak fine achro-  
mestic lens
- ✓ 287 Goerz tenax, Goerz 6.8 lens in compur  
shutter, to take  $\frac{1}{4}$ -plate and 9/12 plates,  
3 slides and film pack adapter
- (274) 288 Small microscope and case
- 289 A  $2\frac{1}{4}$  B. folding Ensign for  $2\frac{1}{4}$  by  $3\frac{1}{4}$  films
- 290 A 9/12 folding plate camera, fine pere-  
scope lens in sector shutter, with film  
pack adapter
- 291 A No. 3 folding Kodak, R.R. lens
- 292 A  $\frac{1}{4}$ -plate folding camera, Beck sym-  
metrical lens, 6 single slides, and focusing  
cloth
- 293 A No. 4 screen focus Kodak
- 294 A 7 by 5 Optimus symmetrical lens
- 295 Heydes actinometer
- 296 Two  $\frac{1}{2}$ -plate mahogany book form slides
- 297 A  $2\frac{1}{4}$  square Icarette fine R.R. lens
- 298 Verascope, Richard self-timing cunctator
- 299 A  $\frac{1}{4}$ -plate folding camera, R.R. lens and  
slide
- 300 Double extension 9/12 folding plate camera,  
F/6.8 anastigmat lens, speeded shutter,  
film pack adapter and leather case
- 301 Goerz trieder prism binoculars, central  
focusing in leather case

- 302 A No. 3 folding Kodak in fine condition,  
with leather case
- 303 A No. 3 folding Kodak, fine R.R. lens,  
and leather case
- 304 Small field glass
- 305 A No. 2 Brownie
- 306 A toy microscope
- 307 A No. O Brownie
- 308 A No. O Brownie
- 309 A No. 1A folding Kodak and canvas case
- 310 A No. 4 bullet Kodak
- 311 Fine field glass
- 312 A  $\frac{1}{4}$ -plate folding plate camera, 5 slides  
and canvas case
- 313 Fine field glass and case
- 314 9/12 folding plate camera, fitted Zeiss  
F/6.3 tessar lens in speeded shutter, 5  
slides and leather case
- 315 Strong wooden tripod
- 316 Very fine  $\frac{1}{2}$ -plate camera by Meagher, 6  
book form slides 8.5 Ross, F/8 rapid  
symmetrical lens in iris mount, tripod  
and leather case
- 317 A  $\frac{1}{2}$ -plate tropical victo, 3 book-form  
slides, Aldis, F/6.8 anastigmat lens,  
R.R. lens, 3 book-form slides, tripod and  
canvas case
- 318 A whole-plate square bellows camera,  
fitted 9 by 7 Optimus euryscope lens, slide,  
leather case and tripod, a fine outfit
- 319 Watson 6x prism binoculars, and case
- 320 Very fine 12x prism binoculars and caes
- 321 A No. 4 folding Kodak, R.R. lens
- 322 A  $\frac{1}{4}$ -plate Ensign Klito, F/7.7 anastigmat  
lens, compound shutter, and 2 slides
- 323 Canadian snow shoes
- 324 Vest pocket Kodak
- 325 Very fine No. 4 cartridge Kodak, R.R.  
lens, in case
- 326 Excellent postcard double extension  
camera, F/8 lens, and 2 double slides
- 327 Very fine opera glasses
- 328 A  $2\frac{1}{4}$ -sq. Icarette, F/6.8 anastigmat lens

- 329 Very fine  $\frac{1}{2}$ -plate field outfit with R.R. and wide angle lenses, 2 book-form slides, tripod, and case
- 330 A  $\frac{5}{4}$  R.R. lens, Primo camera, 3 D.D. slides, and case
- 331 A  $\frac{1}{4}$ -plate Eclipse folding camera, 3 slides
- 332 A  $2\frac{1}{4}$ -sq. Icarette fine miniscus lens
- 333 Series III. Cooke lens with flange
- 334 Last model, No. 1A folding pocket Kodak, with R.R. lens
- 335 Focal plane hand or stand camera, and 6 book-form slides
- 336 Two hand cameras (A.F.)
- 337 High power telescope in case
- 338 Leather attaché case
- 339 Pair of tan leather leggings
- 340 Vest pocket Ernemann camera, with Zeiss-Tessar lens, film pack adapter and case
- 341 A 9 by 12 c.m. Stegeman focal plane camera, Goerz anastigmat, 3 double-plate holders, and case
- 342 A  $\frac{1}{2}$ -plate field camera, rectilinear lens and shutter, 2 dark slides and tripod
- 343 A  $4\frac{1}{2}$  by 6 c.m. Countess vest pocket camera, Isoplast lens, F/5.8, and 3 slides
- 344 A  $\frac{1}{2}$ -plate Wizard, extra long extension, rapid rectilinear lens, 6 slides and leather case
- 345 A  $\frac{1}{2}$ -plate Planex reflex, revolving back, slide, film pack adapter and case
- 346 A  $\frac{1}{4}$ -plate Goerz Anschutz, Goerz anastigmat, 3 slides and leather case
- 347 Three Kodak cameras
- 348 Griffin's daylight enlarging apparatus
- 349 Box of lenses by Dallmeyer, etc.
- 350 Box of tripods and sundries
- 351 Brass-bound boxform camera by Hinton, anastigmat lens and shutter, 3 slides and leather case
- 352 Stereoscopic boxform camera, 18 slides and case
- 353 A 10 by 10 field camera, with 1 slide and lens



- 354 A 10 by 8 square bellows camera by Husbands, 25-in. extension, and 4 double slides
- 355 A  $\frac{1}{4}$ -plate Thornton-Pickard Ruby reflex. camera with Cooke Series II. lens,  $F/4.5$ , and 6 double dark slides, in canvas case
- 356 Houghton's  $\frac{1}{4}$ -plate folding Klito camera, and focusing screen, T.B. & I. shutter, and 4 metal dark slides
- 357 A 9 by 12 cm. Ica focal plane camera, Maximar anastigmat lens, film-pack adapter, changing box, 6 slides, with wallet and leather case
- 358 Variscope camera in case, 47 by 107, Richards
- 359 Zeiss Planar lens, 4.5
- 360 A  $\frac{1}{6}$ -micro objective, Watson
- 361 Inspector's pressure gauge, 100lbs., in case, Bailey
- 362 Lathe slide rest for  $2\frac{1}{2}$ -in. centres
- 363 Engineer's and carpenter's boring braces and surface gauge
- 364 Lizars  $\frac{1}{4}$ -plate folding camera with Beck symmetrical lens in Bausch & Lomb shutter
- 365 Camera and tripod stand
- 366 Box camera,  $\frac{1}{4}$ -plate, 3 double dark slides, Taylor & Hobson R.R. patent shutter and lens, tripod stand, and set of plates
- ✓ 367 An oak studio stand
- 368 A 12 by 12 bellows camera, mahogany, 1 single and 3 double dark slides, repeating back with double slide for cabinets, etc., and 8 whole-plate and  $\frac{1}{2}$ -plate carriers, in 3 parcels
- 369 A 15 by 12 Lancaster patent rectograph, iris diaphragm and isochromatic screen
- ✓ 370 A 10 by 8 ditto with Taylor, Taylor & Hobson's patent adapter
- 371 Mahogany stereoscopic camera by C. G. Collins, stereoscopic hand camera, folding wooden stand, tripod top, 4 mahogany double dark slides, Eastman roll-holder, 7 extra clamps, 3 reels, instantaneous

- shutter with flap, mahogany front for single lens, 3 ditto for stereo lenses, pair 6-in. lenses by Swift, pair R.R. lenses iris diaphragms, pair wide angles, pair Beck achromatic lenses for stereoscope with brass rackwork and front, and mahogany drop shutter
- ✓ 372 A  $\frac{1}{4}$ -plate Sinclair ~~and~~ Standard Una camera with 4-in. Cooke F/3.5 lens (No. 29475), autochrome filter in slip-on metal cell, and  $5\frac{1}{4}$ -in. Goerlitz double F/6.8 lens (No. 17431), Ibsen shutter, revolving back, 6 double slides, fittings for lantern-size plates, solid leather case, in fine condition
- ✓ 373 Vest pocket autographic Kodak, quite new, fitted with Ross homocentric lens, separate mount
- ✓ 374 Ernemann's focal plane camera, with R.R. lens, 3 D.D. slides, in canvas case
- 375 A 5 by 4 Sanderson camera fitted Goerz Dagor anastigmat lens, Series III., in shutter, 6 D.D. slides and focusing cloth, in leather case; also roller-blind shutter, changing box and a Goerz telephoto lens, in leather case, and a folding tripod in canvas case
- 376 Whole-plate mahogany camera by Hare, with Ross rapid symmetrical lens and stops, Lancaster wide angle lens, another Lancaster lens, Dallmeyer view finder, 12 Thornton-Pickard shutters, 3 D.D. slides, 2 extra lens panels, focusing cloth, folding tripod and top, in solid leather case
- ✓ 377 Premo camera with Bausch & Lomb R.R. lens, iris diaphragm (no slides)
- ✓ 378 A lantern condenser, and sheet in box, and a generator
- ✓ 379 Three  $\frac{1}{2}$ -plate printing frames, eight  $\frac{1}{4}$ -plate ditto, and a P.C. ditto, and 88 floral, ( $9\frac{1}{2}$  by 8), and (6 by 4) mounts
- 380 A hundred cabinet panels, 106 brown circles (7 by 7), 108 white circles ( $4\frac{1}{4}$  by  $4\frac{1}{4}$ ), 45 green midget ovals, and 146 silver-edged Christmas photo mounts

- ✓ 381 1330 plastic mounts, Christmas ( $3\frac{1}{4}$  by  $2\frac{1}{4}$ ),  
20 large circles, 156 Christmas stamp  
mounts, assorted, 35 green Christmas slip  
in mounts, and 78 white stereo mounts
- ✓ 382 Two hundred and twelve green Christmas  
folders ( $3\frac{1}{4}$  by  $2\frac{3}{8}$ ), and 214 assorted  
Christmas folders (5 different kinds)
- ✓ 383 Twelve large oval slip-in mounts with  
struts, 13 superior mounts (oval), and  
197 new brown folders (10 by 7)
- 384 Eighty-eight slip-in panels, and 88 C.D.V.  
ovals
- 385 About 800 circle mounts, 38 Midget circle  
Christmas mounts, 69 cabinet oval  
mounts. and 114 cabinet oval mounts
- 386 A hamper
- 387 Whole-plate field camera, 3 D.D. slides  
R.R. lens by Burr, wide-angle Dallmeyer ;  
complete in leather case and tripod
- 388 Whole-plate studio camera, 2 D.D. slides,  
a single ditto and carriers for  $\frac{1}{2}$ -plates
- ✓ 389 A  $\frac{1}{4}$ -plate conical field camera, 3 D.D.  
slides ; in case
- ✓ 390 A  $\frac{1}{2}$ -plate field camera, 3 D.D. slides, No. 1  
rectilinear lens (Dallmeyer) ; tripod,  
complete in case
- 391 A Ross 10 by 8 actinus doublet, 13098
- 392 A Ross 10 by 8 S.A. doublet, 17300
- 392A A large lens, by Lereboure (Paris)
- ✓ 393 Three gross whole-plate " Ennammo "  
Contrasty bromide paper, 5 dozen Wrat-  
ten panchromatic whole-plates ; 2 dozen  
Imperial ordinary whole-plates, quite  
fresh
- 394 Twenty-four positive plates, 45/107 mm.  
and 4 boxes autochrome plates, 7/13 cm.,  
(no date)
- 395 A portrait lens and three  $\frac{1}{2}$ -plate metal  
slides and a  $\frac{1}{4}$ -plate dark slide
- 396 Eighteen warm tone stereo transparencies,  
45/107 mm., and 25 autochrome ditto
- 397 Nine grooved wood negative boxes



- 398 A 15-ft. salmon rod by Playfair, Aberdeen,  
a ditto reel and line, and a small reel and  
line
- 399 An arc lamp, 5 amps., by Sanger &  
Shepherd; oxygen cylinder, 20ft.; a  
regulator for ditto (Beard's); a pressure  
guage ditto; a key and a tinter and a  
suction jet
- 400 A developing tank,  $3\frac{1}{2}$  by  $2\frac{1}{2}$ , new; ditto  
for small films and pair skates, Monier  
Williams
- 401 A Houghton's magazine hand camera,  
fitted with Aldis anastigmat lens
- 402 An Edison's dictaphone on stand
- 403 A whole-plate changing box by Messrs.  
Adams, in polished mahogany, and a  
two-fold photographic background paint-  
ed on canvas and opening to 8ft. by 5ft.
- 404 Professional  $\frac{1}{2}$ -plate enlarging lantern,  
by Perken Son, & Rayment, extra large  
lighthouse, 12 by 10 bellows, extending  
to 17in., 8-in. compound condenser  
(easily removable for cleaning), very  
large focusing objective. The lantern  
body is adapted to use oxy-hydrogen  
as well as gas or electricity, negative  
carriers,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , and whole-plate
- 405 Very fine Rectilinear lens by Morley,  
covers 10 by 8, set of stops in leather case
- 406 Five 110-yard coils of electric bell-wire,  
new, 550 yards in all
- 407 A box containing 10 packets 5 by 4 plates  
(dozen in each); 6 packets  $\frac{1}{2}$ -plate ditto;  
2 packets stereoscopic plates; 14 packets  
flat films; a packet of whole-plates;  
12 packets Kodak bromide papers, box  
containing 30 cartons Burroughs, Wel-  
come chemicals, and a 15 grain tube  
gold chloride
- 408 Fourteen dozen electric fire preventors,  
Billings' electric fire, electric bar fire,  
electric grill, and 7 dozen electric lamps,  
all 200-220 volts

- 409 Sixteen plate backing trays, 32 printing frames, 17 porcelain dishes, and 8 xylonite ditto
- 410 Sixteen stereoscopes, 10 microscopic enlayers, a Smyth's enlarger, and a Klito reducer
- 411 Two Kodak film developing machines, 2 plate boxes, and a daylight developing box
- 412 Four squeegees, dark-room lamp, 2 drying racks, and a set of scales and weights in 3 boxes
- 413 Six washing tanks, 9 daylight developing tanks, and 7 light tight boxes
- 414 A  $\frac{1}{4}$ -plate camera in canvas carrying case
- 415 A 5 by 4 camera Rodenstock bistigmat lens
- 416 Telephoto camera with Houghton's film adaptor (no lens)
- 417 Six Reflex box cameras (no lens), and 3 box cameras (with lens)
- 418 Sanderson's envelope adaptor, a Houghton's ditto, 9 lantern D.D. dark slides, and 11 assorted ditto
- ✓ 419 Six  $\frac{1}{4}$ -plate metal slides, a focusing screen, and a pigskin tripod case
- ✓ 420 A 5 by 4 stand camera with tripod, 2 D.D. slides
- 421 Box containing quantity of Houghton's envelopes, metal slides, hand camera, and printing clips
- ✓ 422 Twenty-four plate washers
- ✓ 423 A lantern camera and a detective ditto
- ✓ 424 Midget focal plane camera, 4 metal dark slides, Voigtlander lens
- ✓ 425 Two Dallmeyer portrait lenses, paired for stereoscopic work
- ✓ 426 A  $\frac{1}{2}$ -plate Voigtlander Colinear series IV., W.A. convertible lens, iris mount, in leather case
- ✓ 427 Six Ross rapid symmetrical lenses in iris mount
- 428 A 9 by 7 R.R. lens, iris mount, in leather case



- ✓ 429 R.R. lens by London Stereoscopic Co.
- ✓ 430 A  $\frac{1}{2}$ -plate W.A. rectograph in iris mount, by Lancaster
- ✓ 431 A  $\frac{1}{2}$ -plate R.R. lens by Marion and a portrait ditto by Horne
- ✓ 432 A  $\frac{1}{2}$ -plate lens revolving stops by Lancaster, and a  $\frac{1}{2}$ -plate ditto iris mount, ditto
- ✓ 433 Four lenses by Ross, Underwood, etc.
- ✓ 434 Six assorted lenses, a telephoto ditto and a negative ditto
- ✓ 435 Box containing 14 lenses, a Cooke's extension lens, an Adams' pinhole ditto, and 2 view finders
- ✓ 436 A bundle of tripods
- ✓ 437 Binocular camera with Zeiss anastigmat lenses in leather carrying case
- ✓ 438 Leather carrying case with photographic sundries
- ✓ 439 Box containing 12 B.A. dies and stock
- ✓ 440 Box containing electrical sundries, 100 green cardboard shades, and 12 periscopes
- ✓ 441 Box containing photographic chemicals
- ✓ 441A A 40-ft. hydrogen cylinder, complete with rope cover, gauge and regulator, practically new
- ✓ 442A A 40-ft. oxygen cylinder, complete with rope cover, and fine adjustment valve
- ✓ 443A An acetylene floating generator (quite new), complete in stained wood case, supplies a 4 burner jet for 3 hours
- ✓ 444A Three new 4-burner acetylene jets, for projection work
- ✓ 445A A Thornton-Pickard dissolving-view slide carrier
- ✓ 446A A methylated-spirit incandescent projection lamp (quite new), complete with all necessary accessories
- ✓ 447A An ampmeter (mounted on board), 0-30 A.C. type; ampmeter (quite new), 0-50 D.C. type; and voltmeter (quite new), 0-110 D.C. type



- ✓ 448A Two miniature arc lamps, right-angle enclosed type, one on mechanical tray with vertical and rotary movement, other on ordinary tray
- ✓ 449A An acetylene dissolving apparatus, for use with two lanterns, and an oxy-hydrogen dissolving apparatus for ditto
- ✓ 450A A "Siemens" motor for A.C., excellent for a bioscope, or for other light work, in very good order
- 451A An assortment of odd lenses

### MISCELLANIES.

- 50/- 75/- 40/- 452\* 442 Jones' patent folding ladder, officer's folding camp bed-chair, table, washstand, and bath, in kit bag, all in, good order
- ✓ 443 Brown leather kit bag, containing collars, ties, shoes, etc.
- ✓ 444 Large theatrical travelling basket
- ✓ 445 Large strong box, containing various pieces officer's kit, etc.
- ✓ 446 Sleeping bag and valise, well padded, by Aquascutum, of Regent Street
- 25/- 447 Double-barrel gun in case
- ✓ 448 Double-barrel pinfire gun
- ✓ 449 Pair brown field boots
- ✓ 450 Ten gallons spirit varnish
- ✓ 451 Ditto, ditto
- 452 Two model boats, 2 Somali baskets, a wooden bowl (silver mounted), 3 fans, and 3 boxes butterflies
- ✓ 453 Six nickel safety razors in boxes, and 12 blades, Gillette pattern
- ✓ 454 Ditto
- ✓ 455 Ditto
- ✓ 456 Ditto
- ✓ 457 Ditto
- ✓ 458 Ditto
- 459 Four Fahrenheit thermometers in cases, by Casella & Co.
- 460 Two large mincing machines



- 461 Mathews' new universal constellation drill  
for sowing seeds, complete with hoe  
cultivator, rakes, plough, and marker  
attachment, as sold by Toogood's, new  
condition
- 462 Steam engine (upright model)
- 463 Meccano set, No. 3 set with accessory  
sets, making a No. 5 set
- 464 A Varsity home golfer
- 466 Parkinson's gas oven griller, new
- 467 Two stamp albums and stamps
- 468 Ditto
- 469 Collection in large black interleaved  
album, containing 1,846 stamps
- 470 History of England—3 vols. ; Lardner's  
Museum of Science and Art—6 vols. ;  
London Pictorially Illustrated—3 vols.,  
and box of books, various
- 471 British Industries, 11 ; various, 7—18
- 472 Twenty-four modern novels
- 473 Ditto

END OF SALE.



## **SALE ANNOUNCEMENTS.**

### **TUESDAY, SEPTEMBER 21st :—**

By order of the Executors of the late JOHN WHITWORTH, Esq.

Furniture; China; Pictures; Ethnographical Specimens ; Curios.

### **WEDNESDAY, SEPTEMBER 22nd :—**

At Bayfield, Mayford Road, Wandsworth Common, S.W.

The Contents of the Residence : Furniture and Effects.

### **FRIDAY, SEPTEMBER 24th :—**

Household Furniture, removed from Cobham and Acton for convenience of sale ; Also Scientific and Photographic Apparatus, etc.

### **TUESDAY, SEPTEMBER 28th :—**

Curios ; China ; Ivories ; Weapons ; Ethnographical Specimens.

### **FRIDAY, OCTOBER 1st :—**

Scientific and Photographic Apparatus ; Miscellaneous Property.

### **TUESDAY, OCTOBER 5th :—**

By order of Her Grace the DUCHESS OF NORFOLK. Old Norfolk House, St. James' Sq., S.W. Furniture and other Effects.

### **TUESDAY, OCTOBER 5th :—**

The Collection of Brass and Copper Deities, formed by the late Professor J. NELSON FRASER, of the University of Bombay ; Also China, Curios, etc., from other sources.

### **TUESDAY, OCTOBER 12th :—**

British and Exotic Lepidoptera ; Cabinets.

### **WEDNESDAY, OCTOBER 13th :—**

A Valuable Library of Natural History Books.

### **FRIDAY, OCTOBER 15th :—**

The First Portion of the valuable Collection of Microscopes, formed by the late Sir FRANK CRISP, Bart.